

NR 283

filed 4/10/75 8:00 am  
DJP



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

L. P. Voigt  
Secretary

BOX 450  
MADISON, WISCONSIN 53701

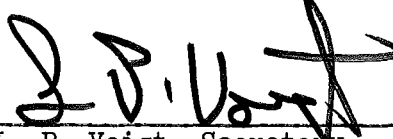
IN REPLY REFER TO: \_\_\_\_\_

STATE OF WISCONSIN )  
 )  
DEPARTMENT OF NATURAL RESOURCES )      ss

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, L. P. Voigt, Secretary of the Department of Natural Resources and custodian of the official records, do hereby certify that the annexed copy of Natural Resources Board Order No. W-97-74 (I) has been compared by me with the original order on file in this office of the Department of Natural Resources, Madison, Wisconsin, and that the same is a true copy thereof, and of the whole of such original order; that said order was duly passed and published as set forth therein.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department at the Pyare Square Building in the City of Madison, this 31st day of January, 1975.

  
\_\_\_\_\_  
L. P. Voigt, Secretary

(SEAL)

STATE OF WISCONSIN NATURAL RESOURCES BOARD

.....  
IN THE MATTER of repealing and recreating .  
Chapter NR 283 of the Wisconsin Adminis- .  
trative Code pertaining to Pulp and Paper .  
Industry .  
.....

ORDER NO. W-97-74 (I)

ORDER OF THE STATE OF WISCONSIN NATURAL RESOURCES BOARD

REPEALING AND RECREATING RULES

Pursuant to authority vested in the State of Wisconsin Natural Resources Board by section 147.04(5) and Chapter 227, Wisconsin Statutes, the State of Wisconsin Natural Resources Board hereby repeals and recreates rules as follows:

Chapter NR 283  
Interim Effluent Limitations  
Pulp and Paper Manufacturing

NR 283.01 Purpose. The purpose of this chapter is to establish interim effluent limitations for discharges resulting from manufacture of pulp and paper in subcategories identified herein.

NR 283.02 Applicability. The limitations of this chapter apply to discharges resulting from the manufacture of pulp and paper in the subcategories identified in Section NR 283.05. Effluent limitations set forth in Wisconsin Administrative Code Chapter 217 are applicable to such discharges from manufacturing which does not fit into such categories or the subcategories for which effluent limitations are set forth in Wisconsin Administrative Code Chapter NR 285.

NR 283.03 Application of interim limitations.

(1) Daily discharge limitations for facilities subject to the provisions of this chapter shall be based on the highest average daily production in air dry tons sustained for seven consecutive operating days of normal production.

(2) Daily discharge limitations for specialty paper mills shall be handled on a selective basis.

(3) The limitations of this chapter are not directly applicable for determining daily discharge limitations for facilities manufacturing less than 200 tons of sulphite pulp and paper daily, less than 50 tons of tissue paper from purchased pulp daily, or less than 200 tons of fine papers from purchased pulp daily.

NR 283.04 Description of abatement models.

(1) The following production process controls and treatment systems are a model for attaining the recommended effluent limitations for the industry except tissue paper mills using purchased pulp.

Heat and/or chemical recovery from pulping liquors, efficient save-alls within the paper making process, and a high degree of water reuse,

Primary clarification,

Biological oxidation using aerated lagoons or activated sludge,

Secondary clarification,

Disinfection, if necessary.

(2) The treatment model for tissue mills, using purchased pulp, is based on an expected effluent quality from efficient physical or physical-chemical treatment. The majority of the BOD in this wastewater is associated with fibrous materials and thus, is amenable to this type of treatment. The application of biological oxidation to this wastewater would not significantly lower the effluent BOD. The wastewater is also nutrient deficient and, therefore, subsequent nutrient additions to support a biological system would result in an additional loading on the receiving water.

NR 283.05 Table of interim effluent limitations.

<u>Subcategories</u>	<u>BOD<sub>5</sub></u> lbs/ton	<u>Suspended Solids</u> lbs/ton
(1) Kraft Pulping and Manufacture of:		
(a) Newsprint	5	6
(b) Bleached & Unbleached Grades	9	10
(c) Bleached Grades	11	10
(2) Sulfite Pulping and the Manufacture of:		
(a) Paper	35	20
(b) Dissolving Pulp	65	20
(3) Groundwood		
(a) Unbleached	2.5	5
(b) Bleached	4.5	9
(4) Deinking Mill	10	16
(5) Paper Manufacture (From Purchased Pulp)		
(a) Coarse	2	3
(b) Fine ( 8% filled)	6	7
(c) Book ( 8% filled)	3	4
(d) Tissue	8	6

NOTES:

Groups 1, 2, 3 and 4 refer to integrated mills (combined pulping and papermaking operations).  
Limitations represent best practicable control technology currently available.

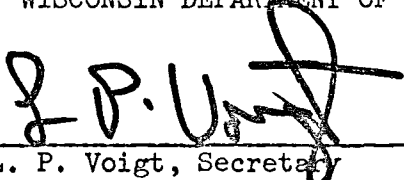
The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on December 20, 1974.

The rules contained herein shall take effect upon publication in the official state newspaper.

Dated at Madison, Wisconsin January 25, 1975

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

By

  
\_\_\_\_\_  
L. P. Voigt, Secretary

(SEAL)